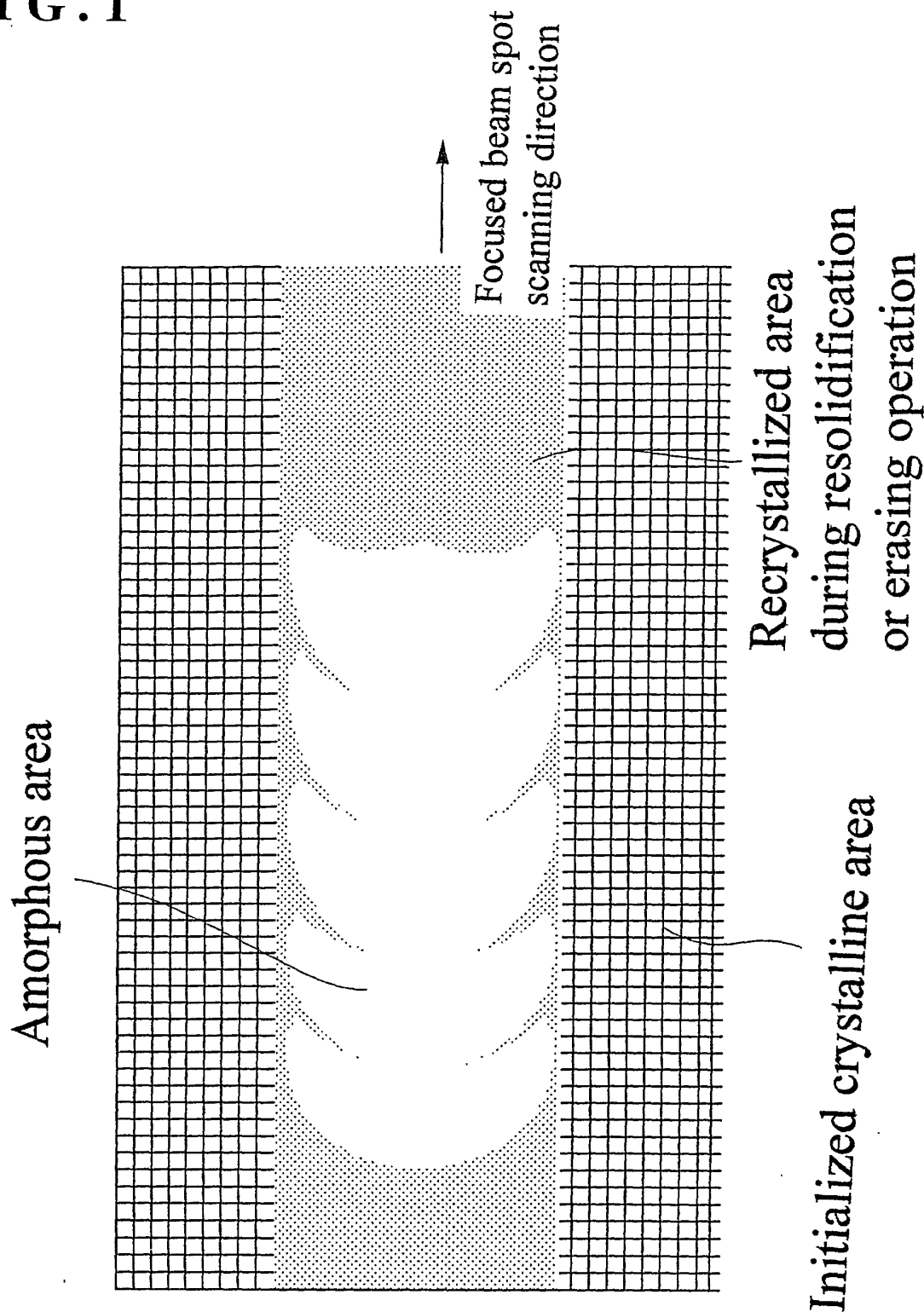


FIG. 1

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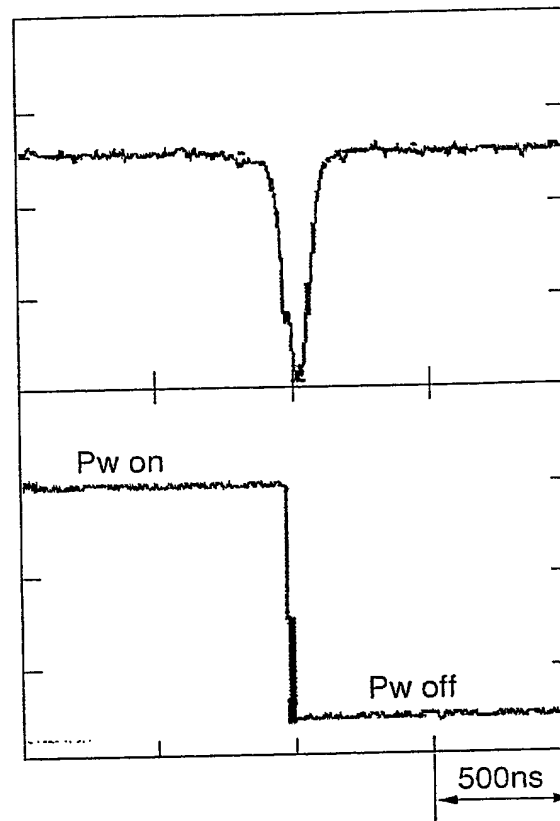


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FIG. 2

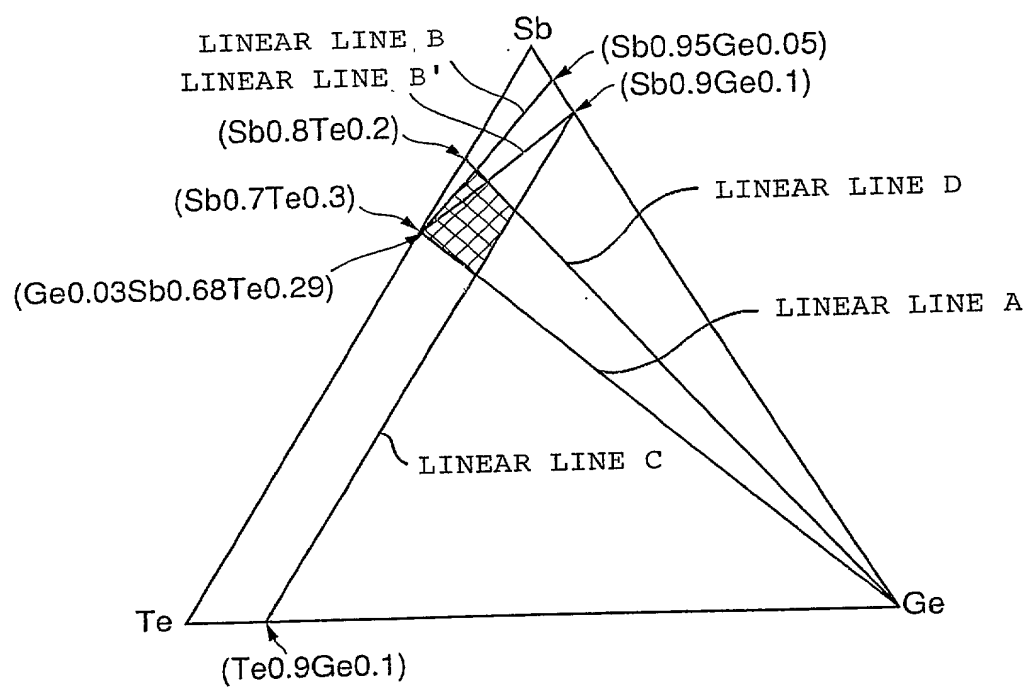
Retrieved signal  
proportional to  
reflectivity

Pw control signal



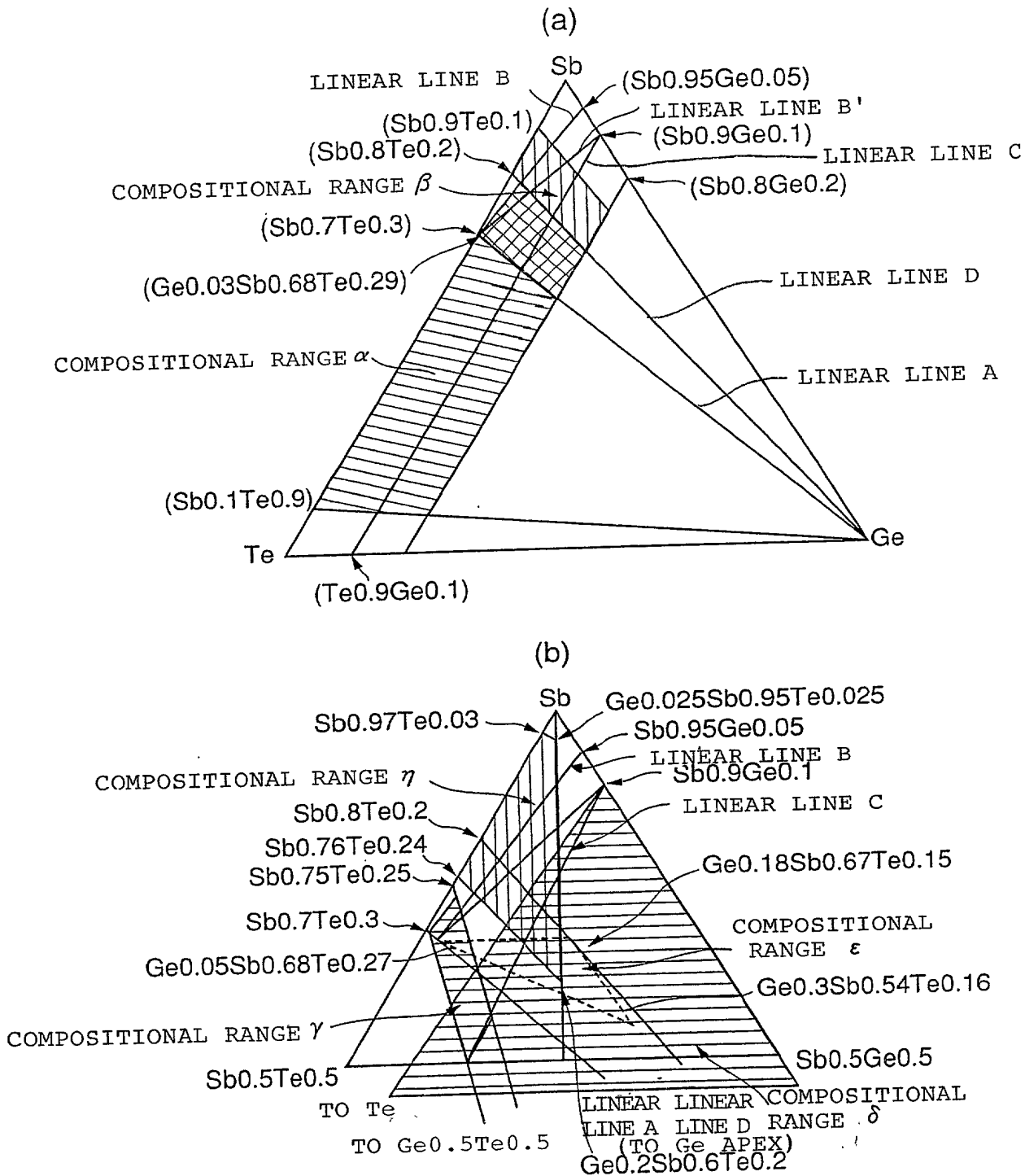
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FIG. 3



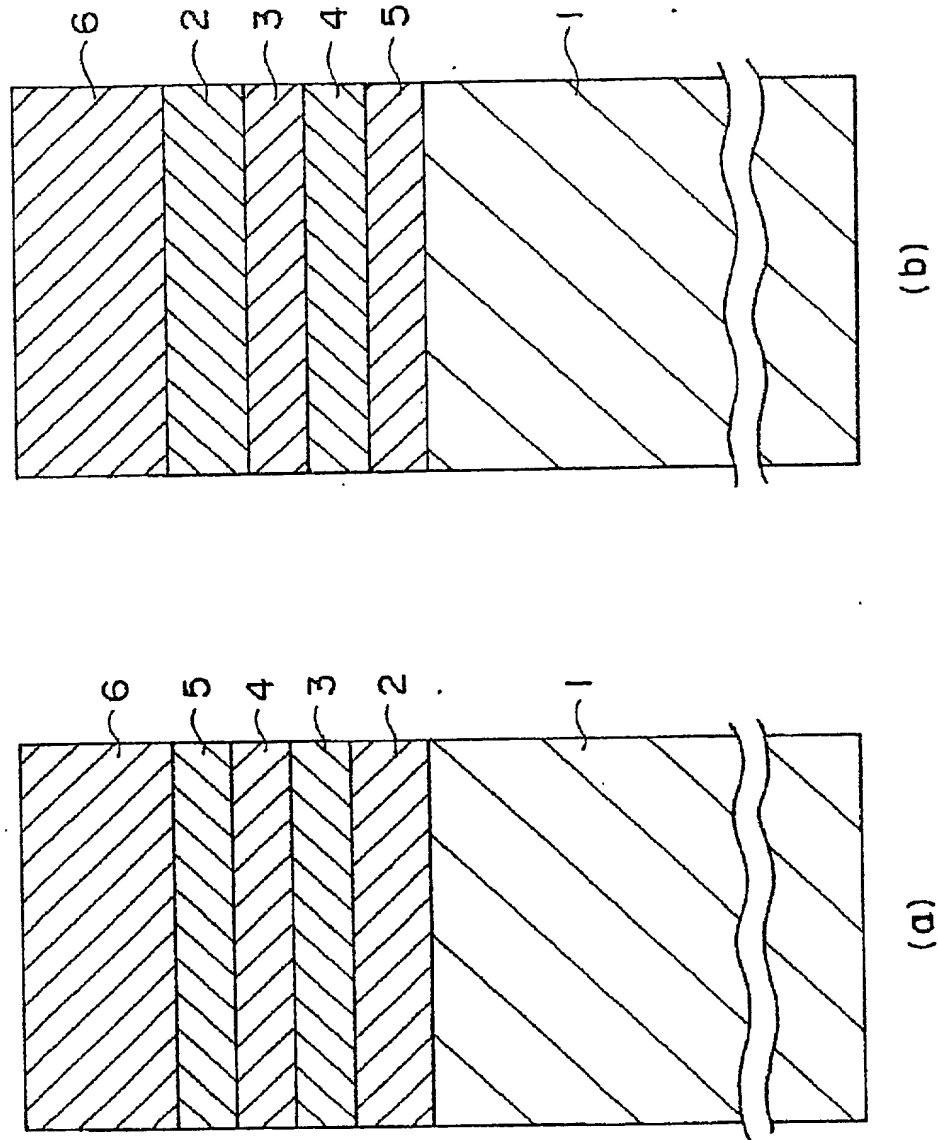
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FIG. 4



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FIG. 5



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FIG. 6

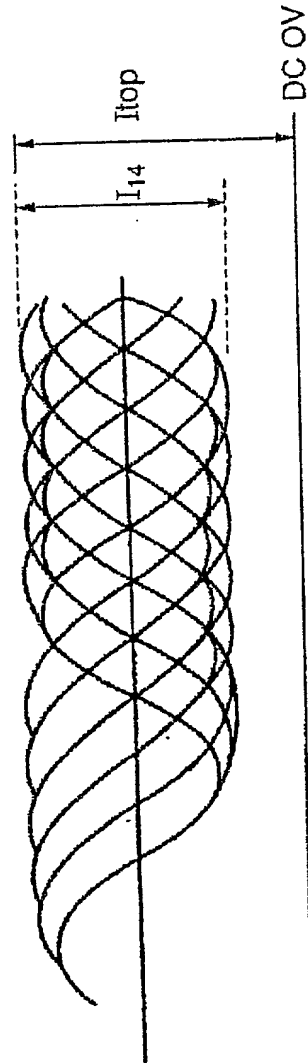
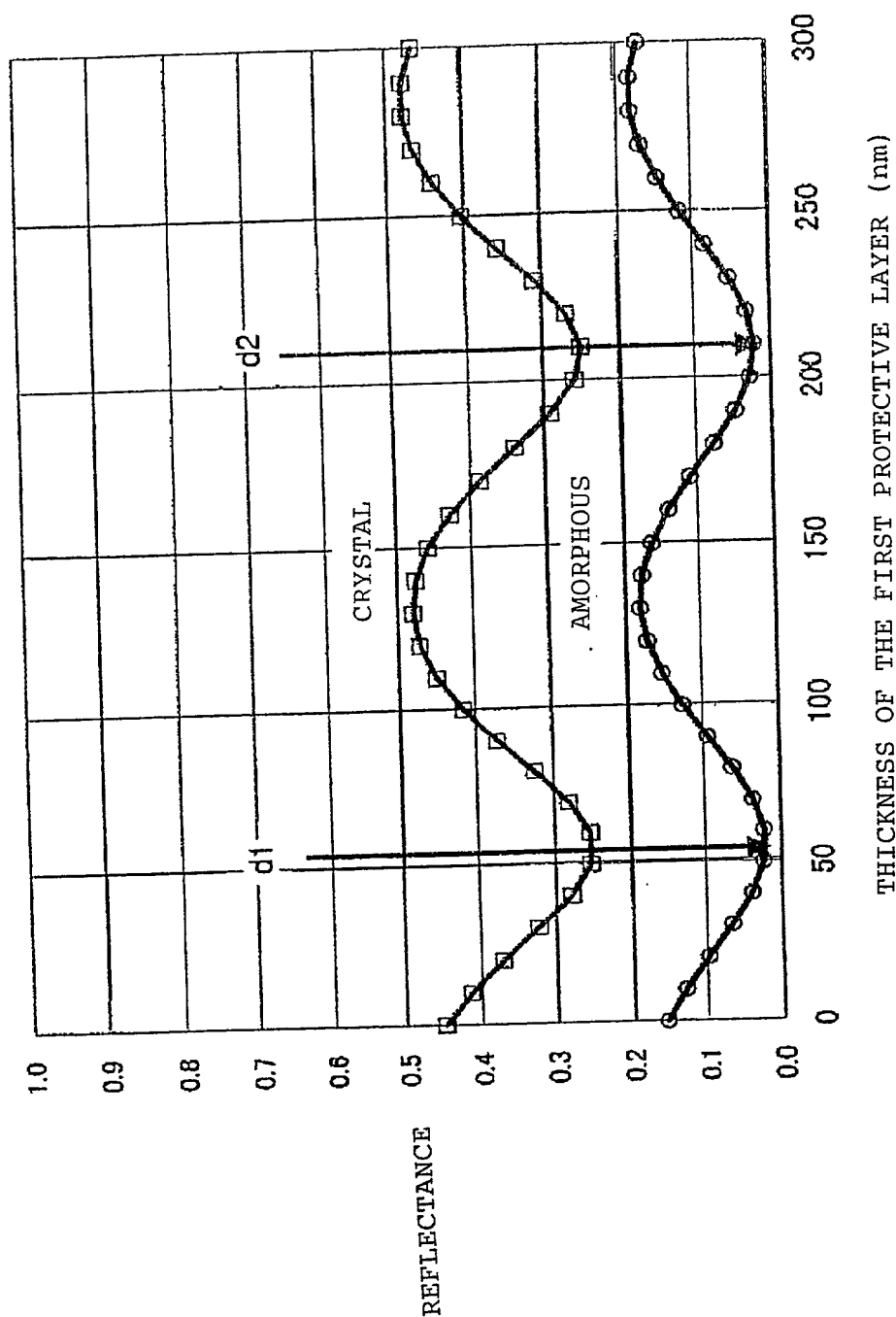


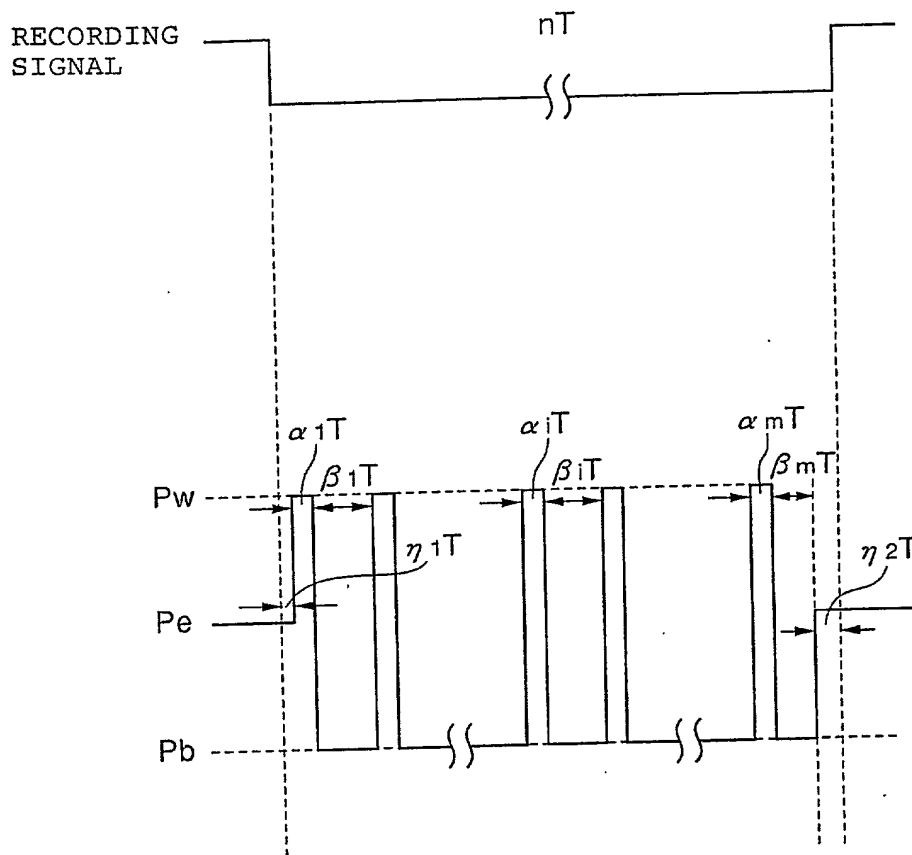
FIG. 7

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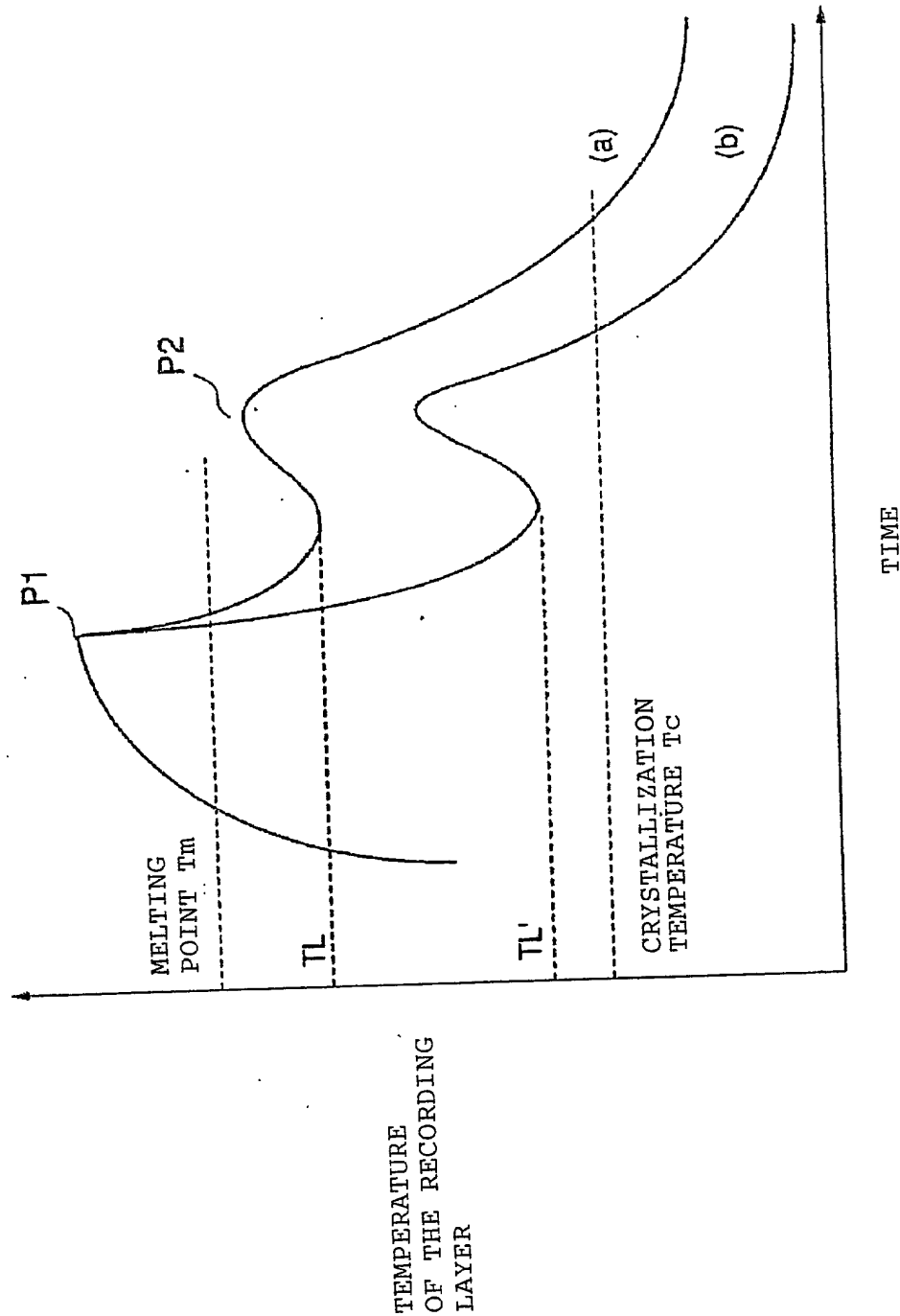
FIG. 8





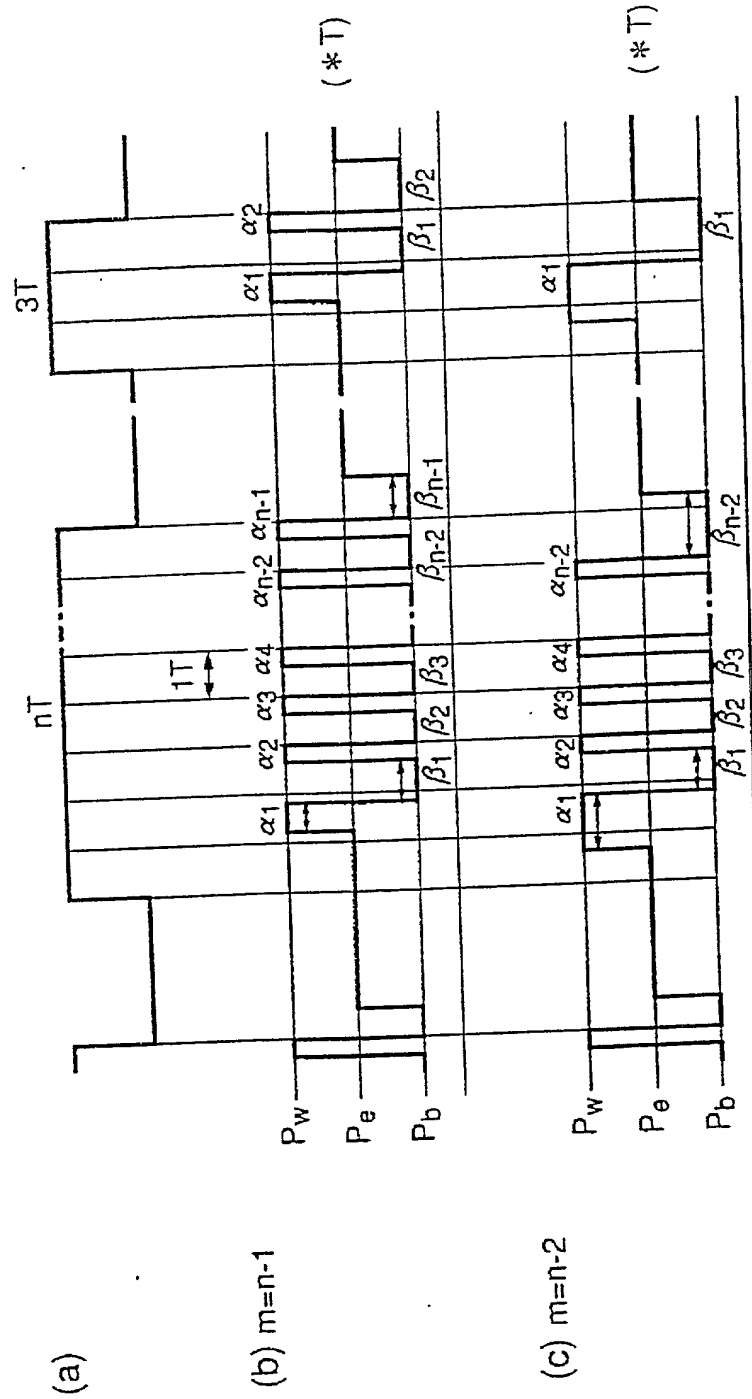
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FIG. 9



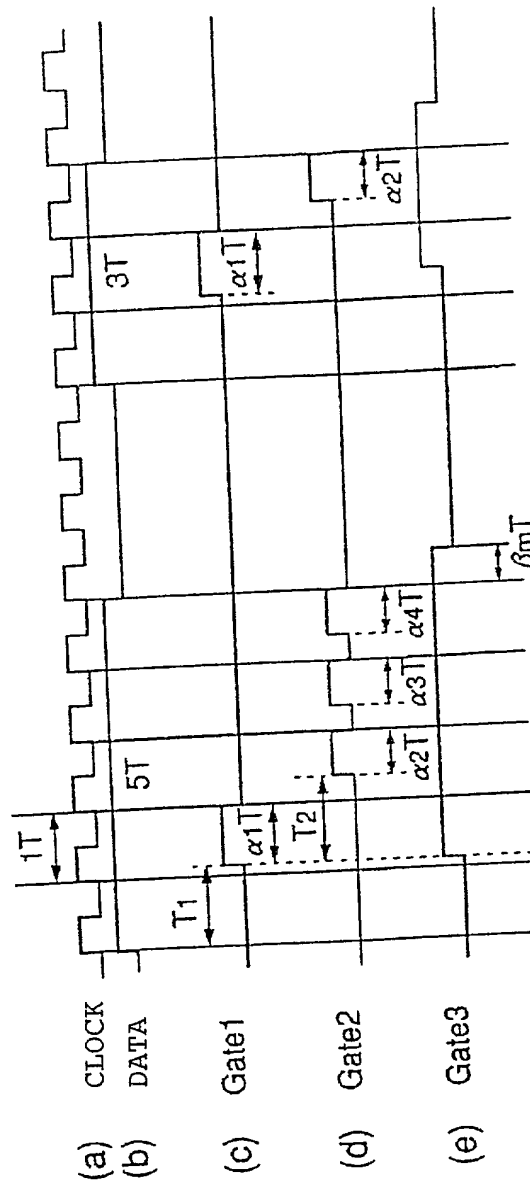
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FIG. 10



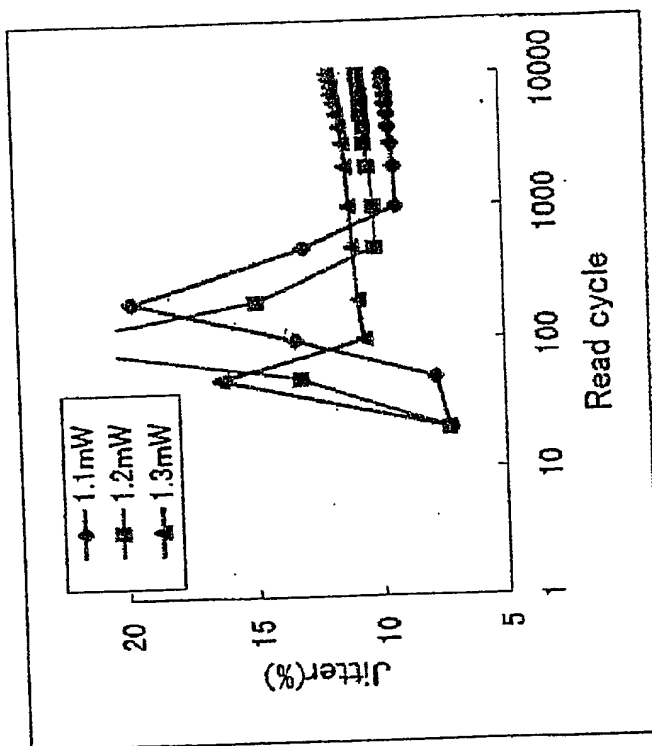
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FIG. 11

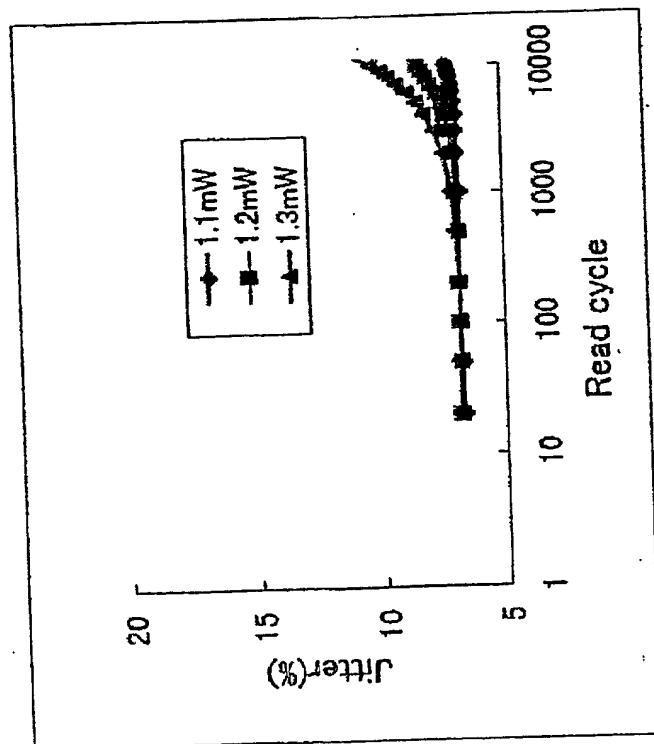


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FIG. 12



(b) COMPARATIVE EXAMPLE 1

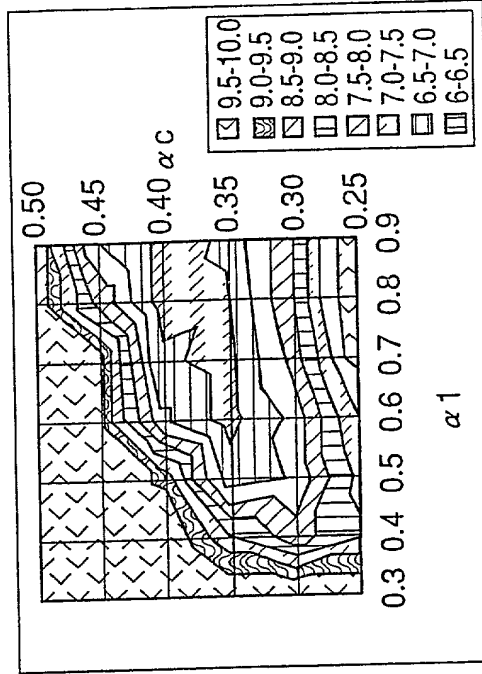


(a) EXAMPLE 1

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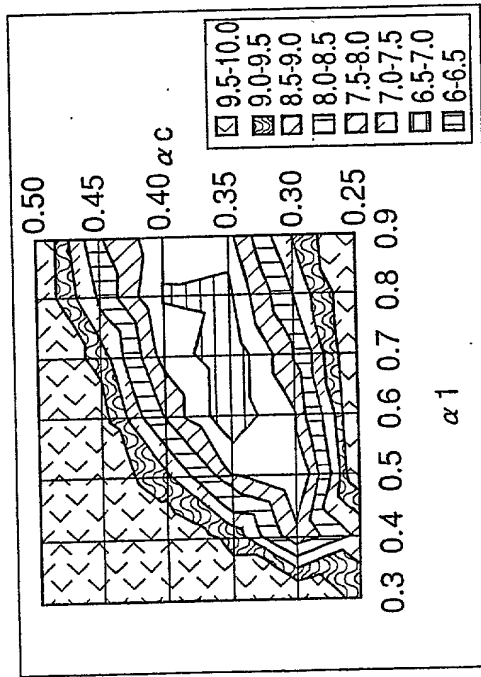
FIG. 13

(b) 3.5m/s  $m=n-2$   
 $P_w=13.5\text{mW}$   $P_e=6.5\text{mW}$   $P_b=0.5\text{mW}$   $\beta m=0.7$



Jitter (%)

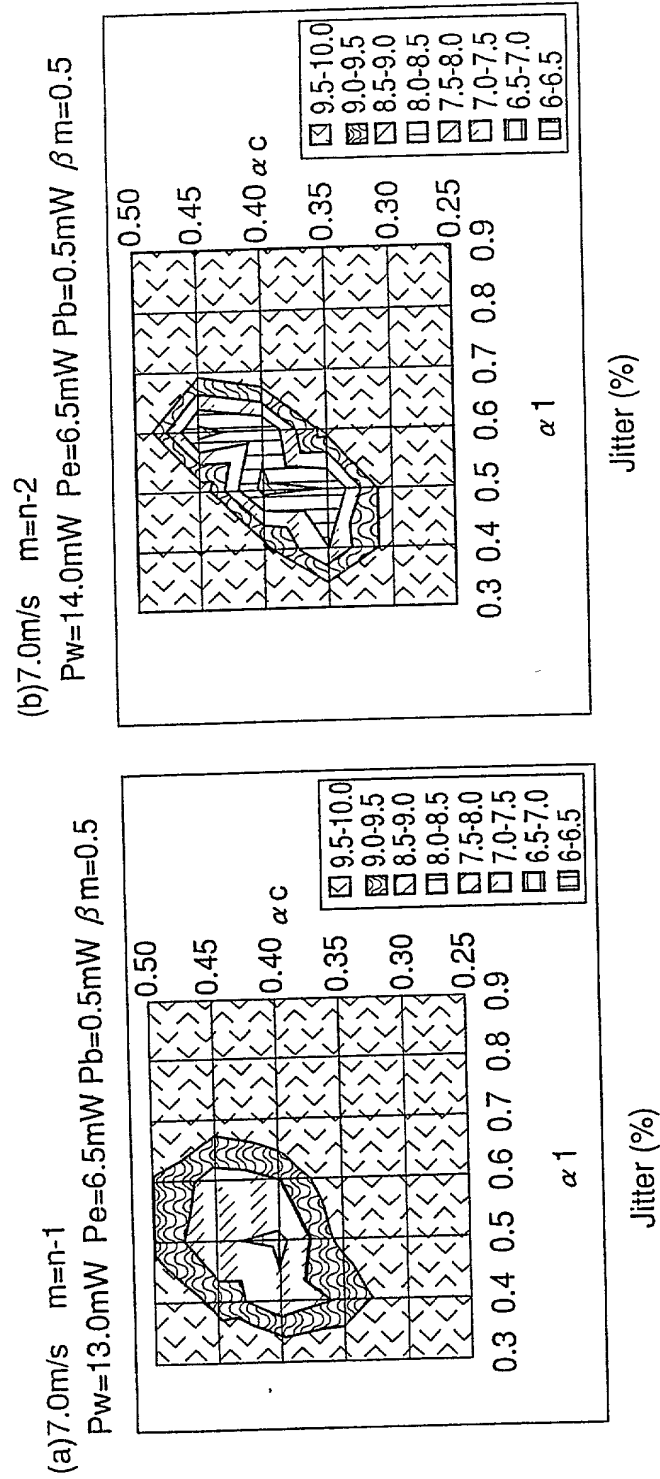
(a) 3.5m/s  $m=n-1$   
 $P_w=12.5\text{mW}$   $P_e=6.0\text{mW}$   $P_b=0.5\text{mW}$   $\beta m=0.5$



Jitter (%)

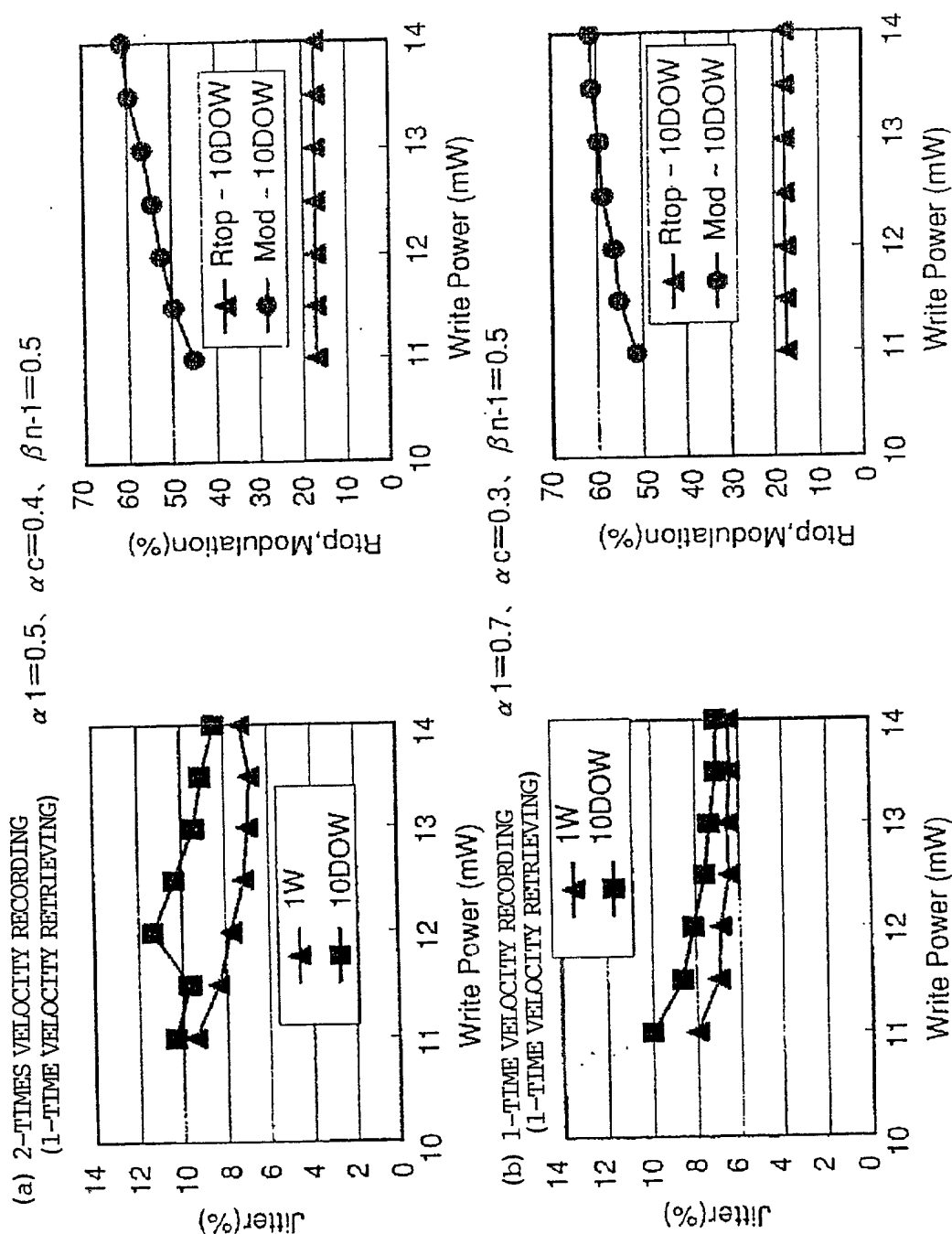
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FIG. 14



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FIG. 15



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FIG. 16

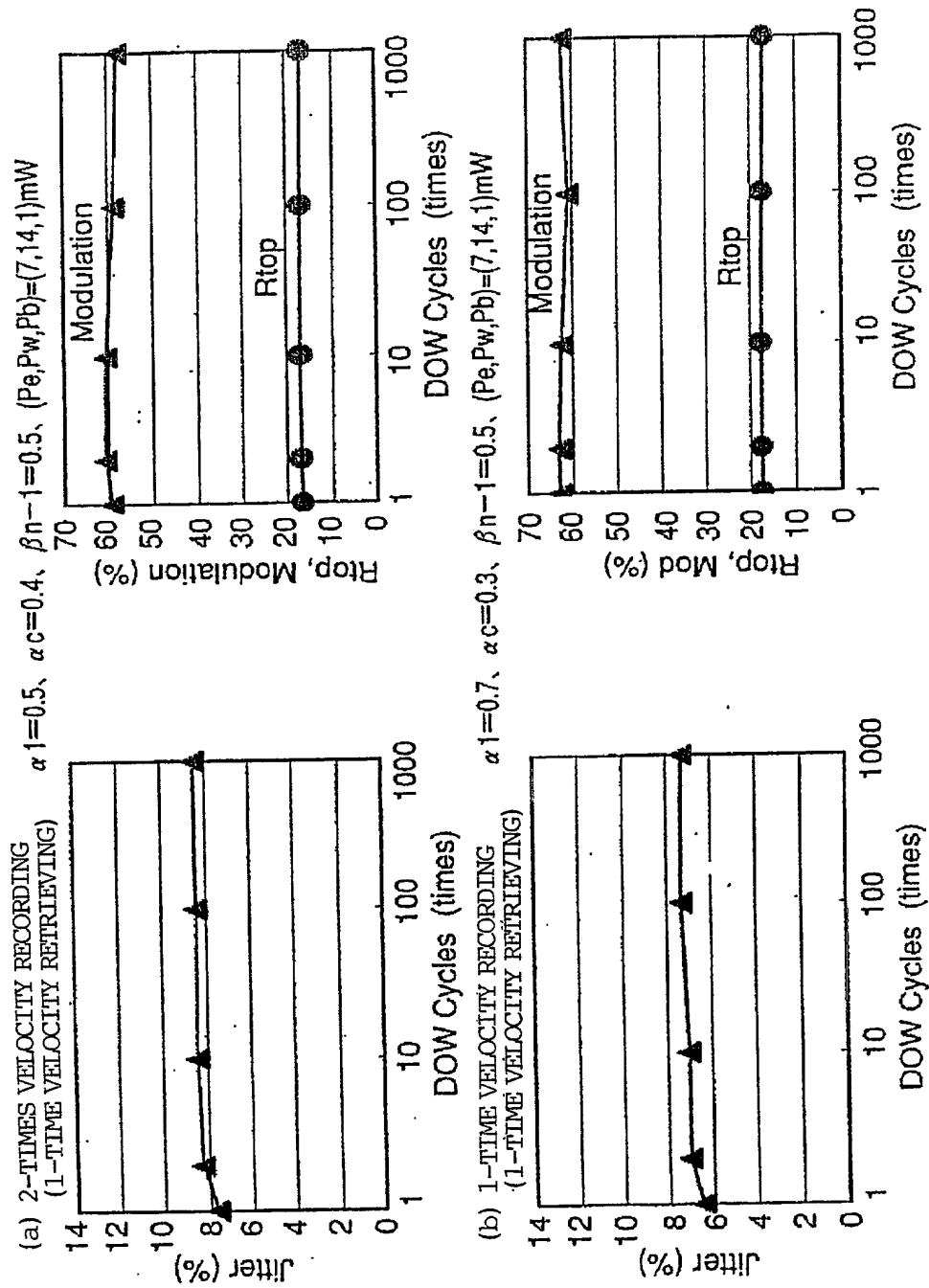
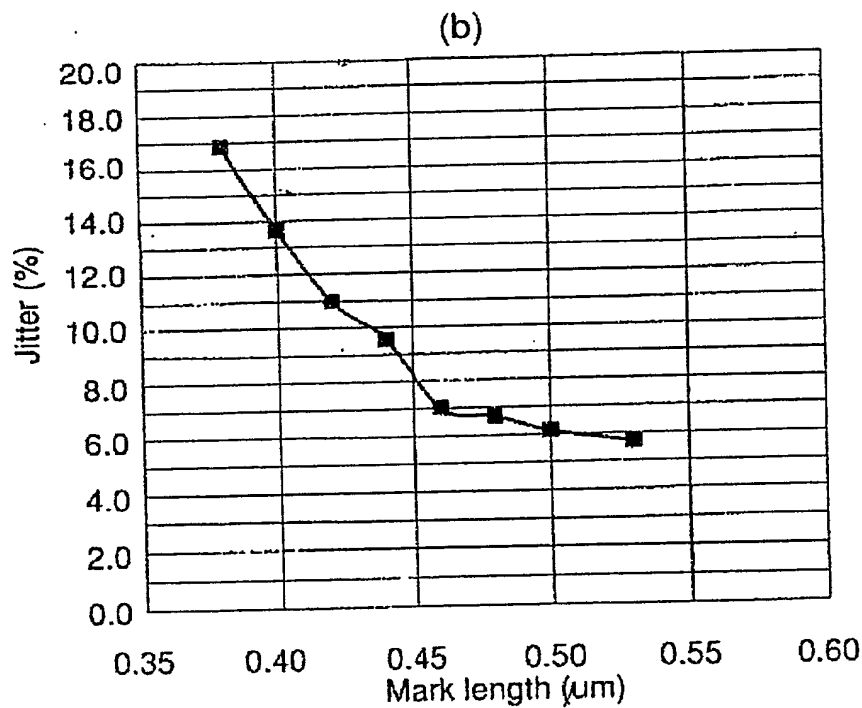
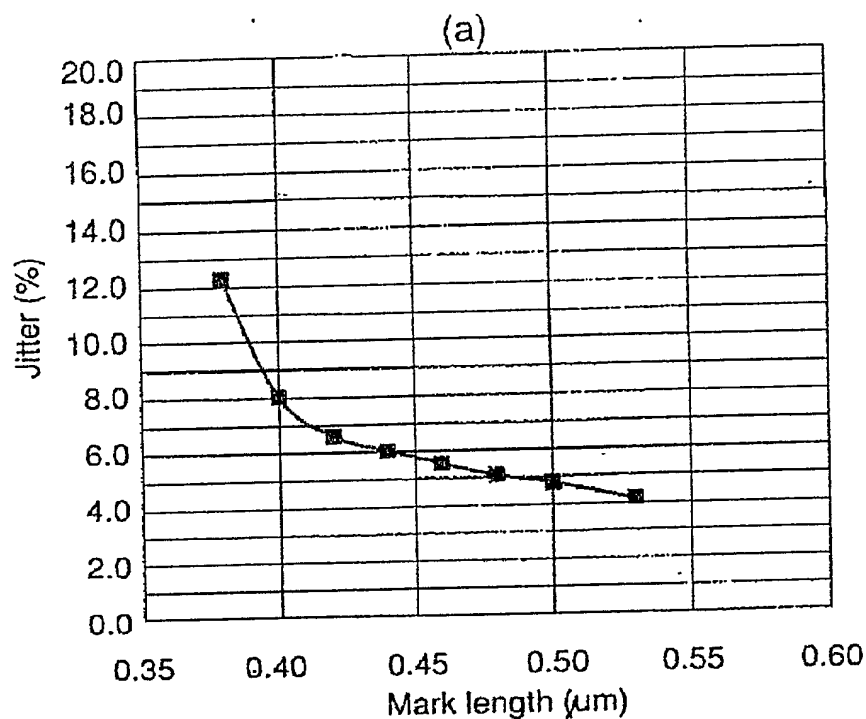




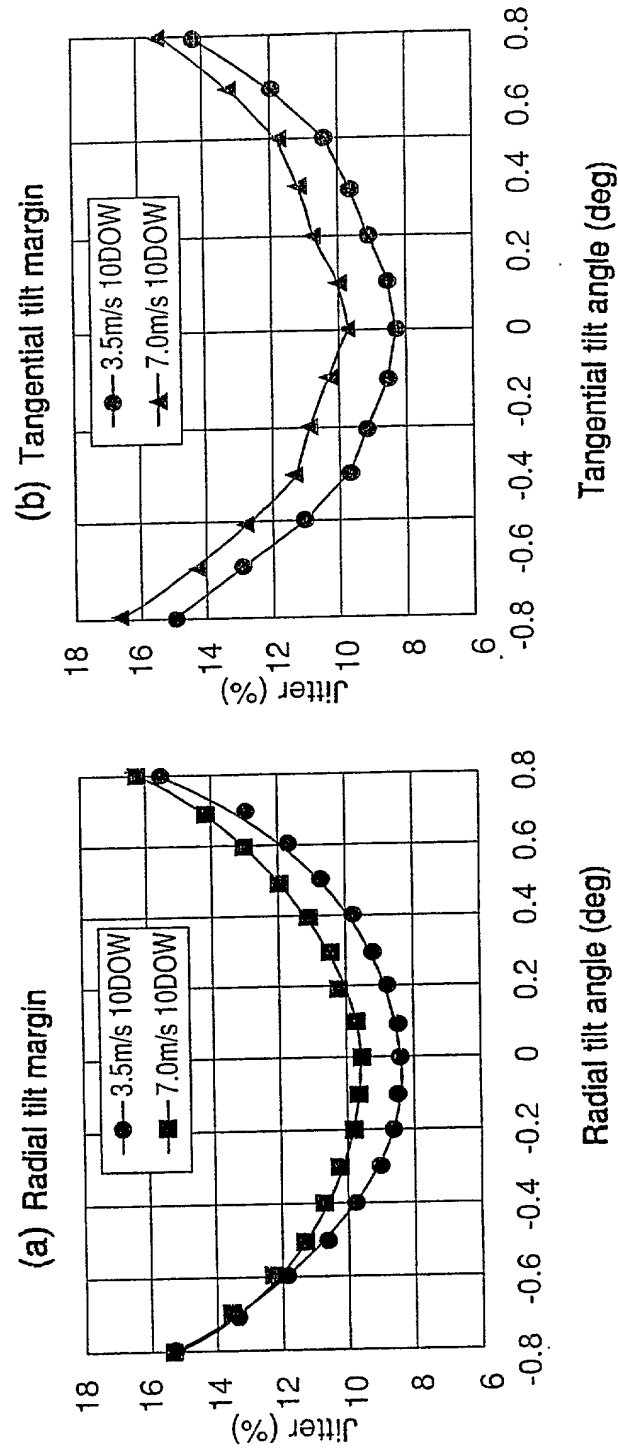
FIG. 17

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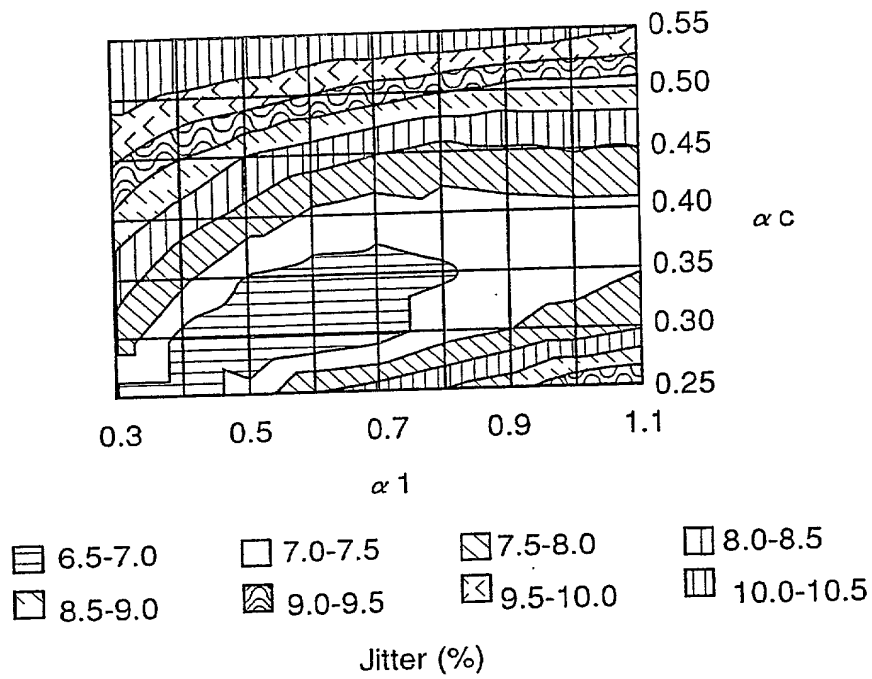
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FIG. 18



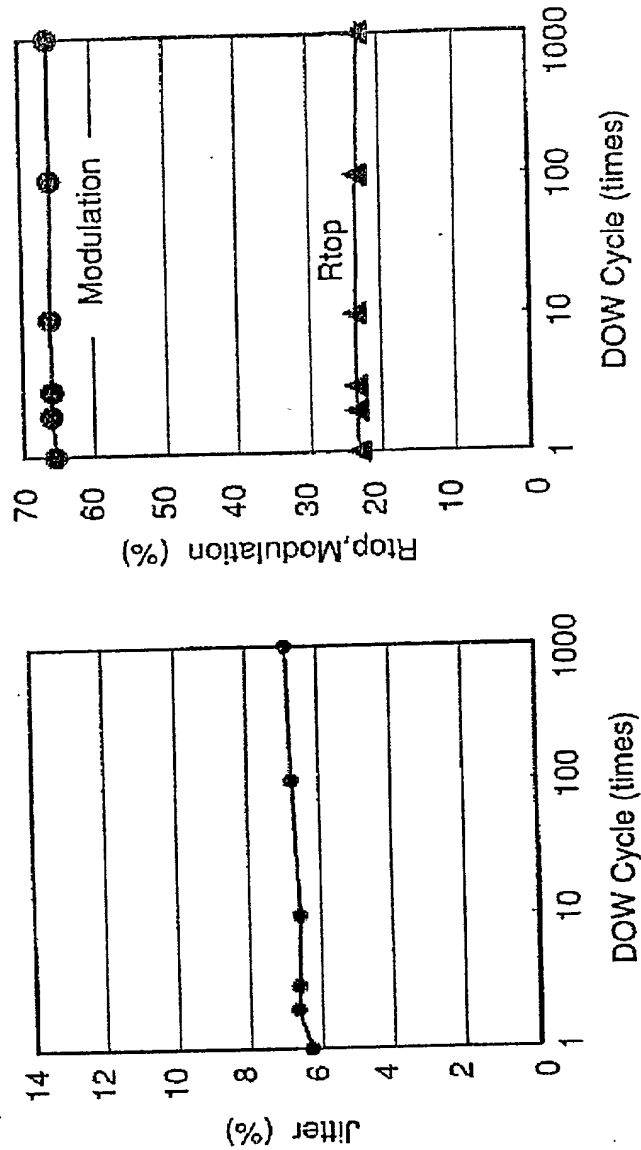
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FIG. 19



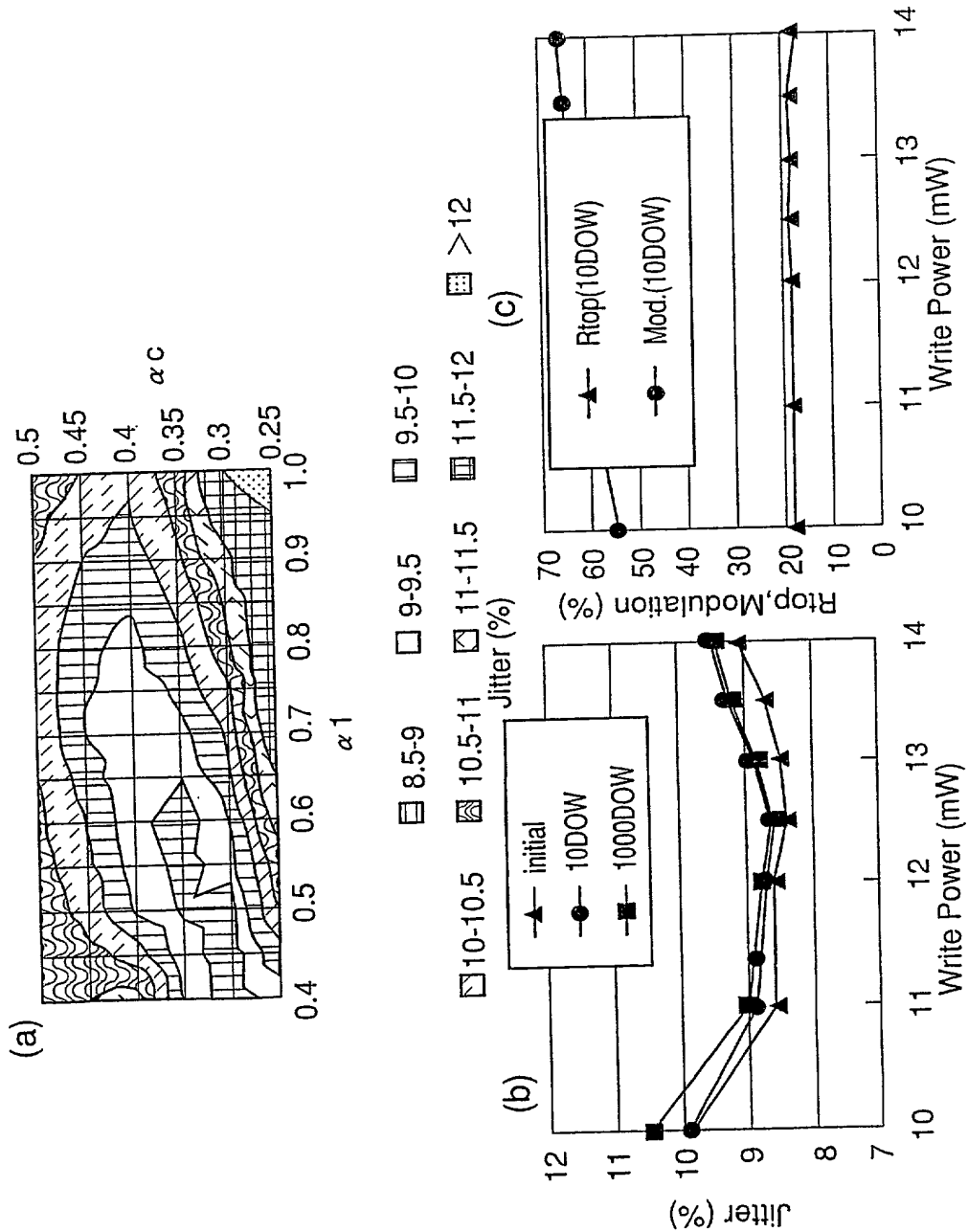
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FIG. 20



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FIG. 21



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FIG. 22

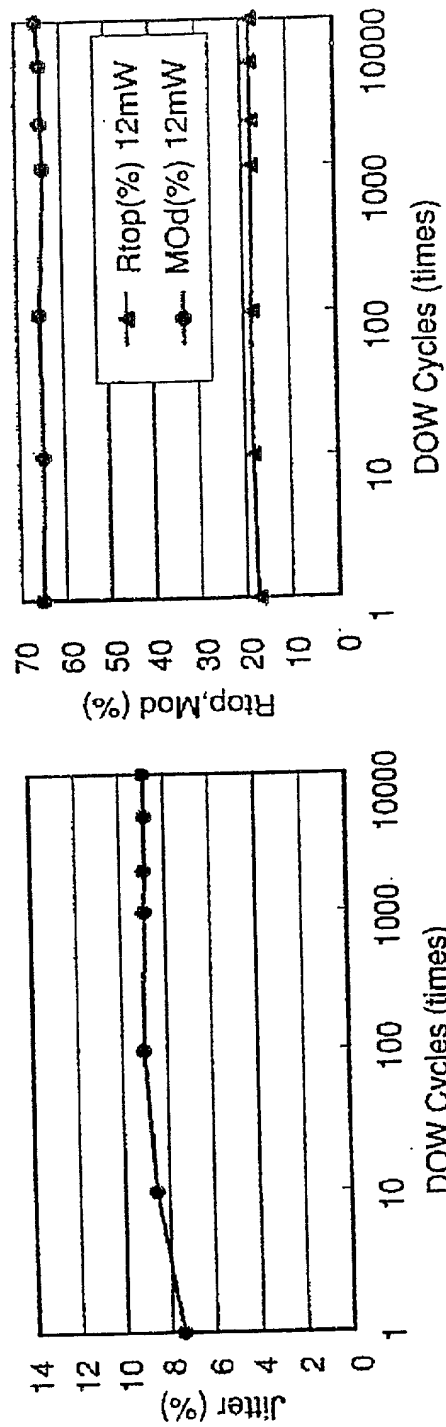
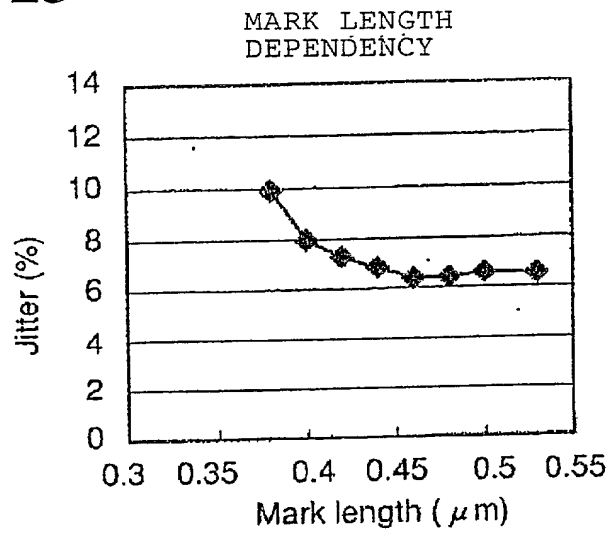


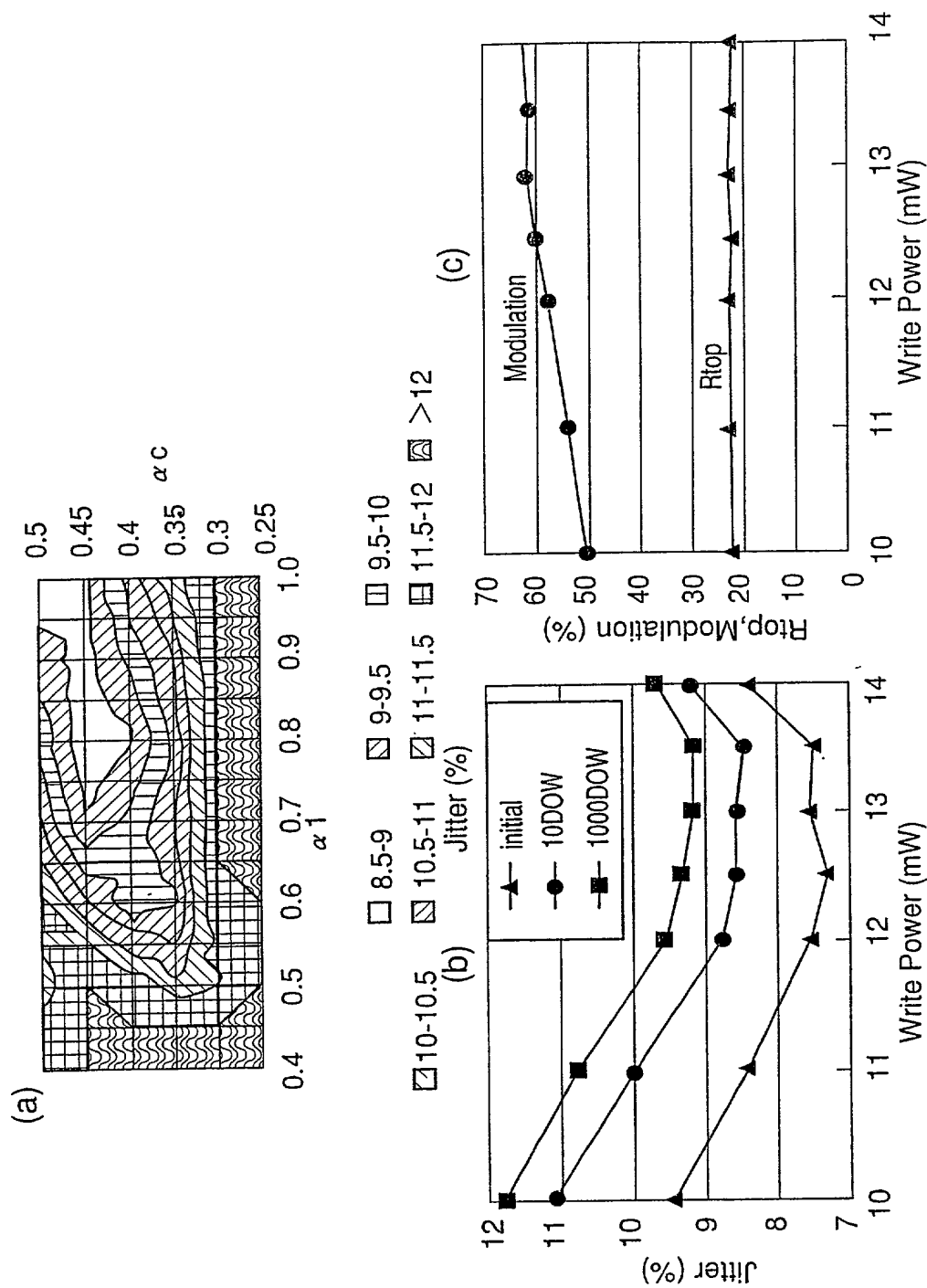
FIG. 23

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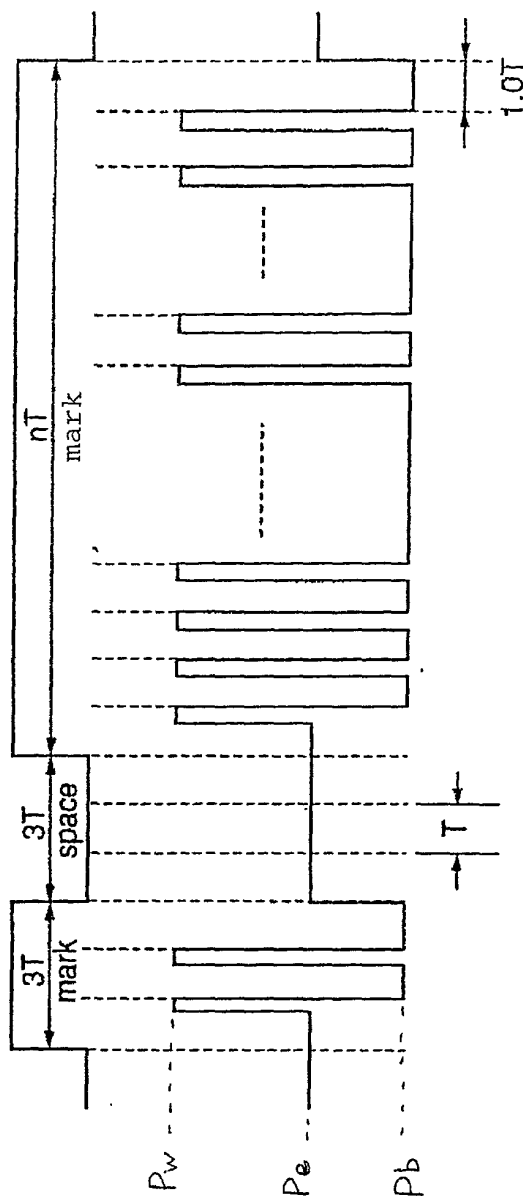
FIG. 24





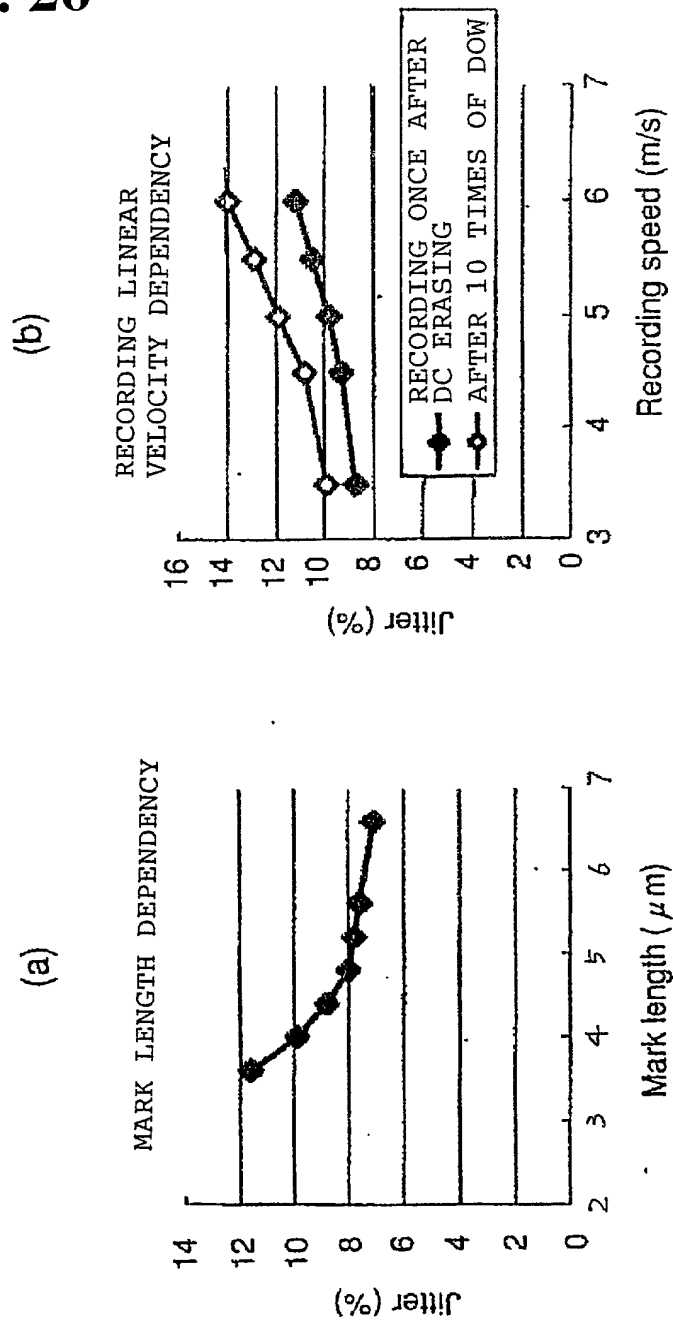
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FIG. 25



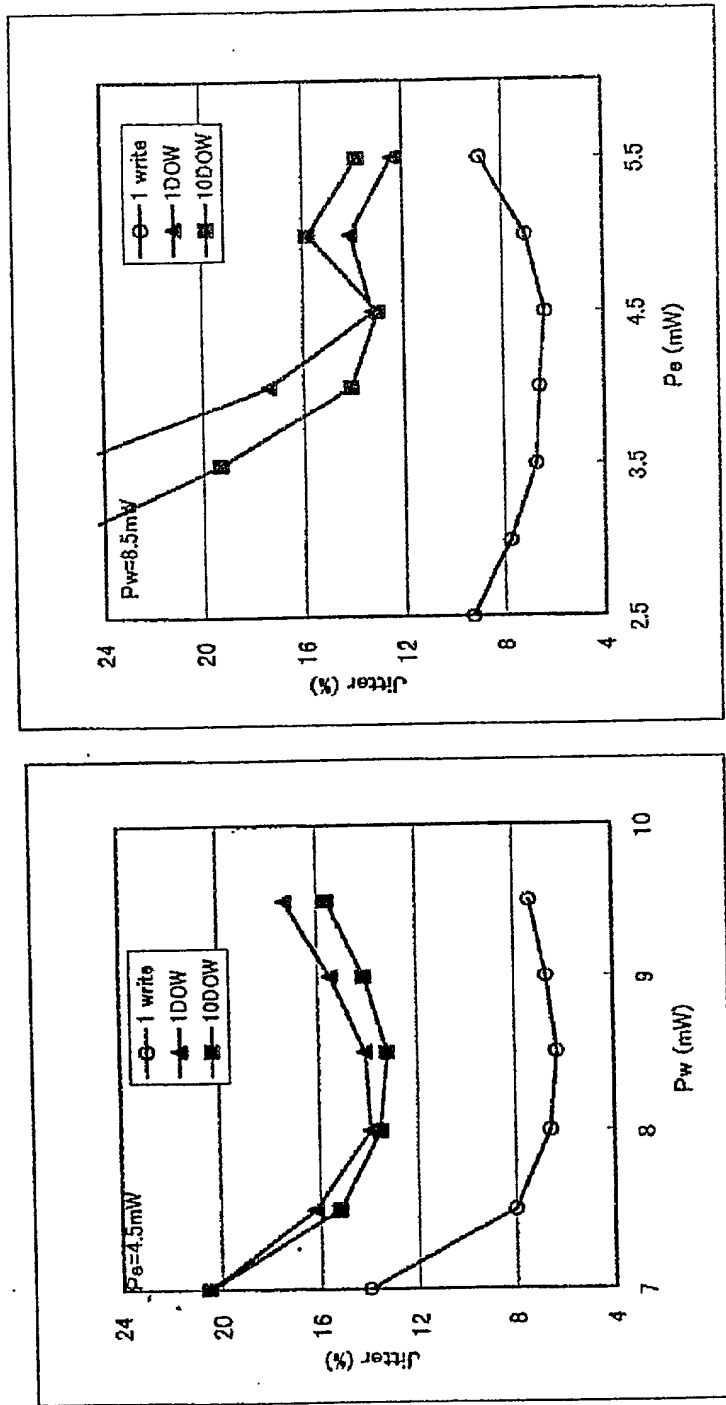
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FIG. 26



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FIG. 27



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FIG. 28

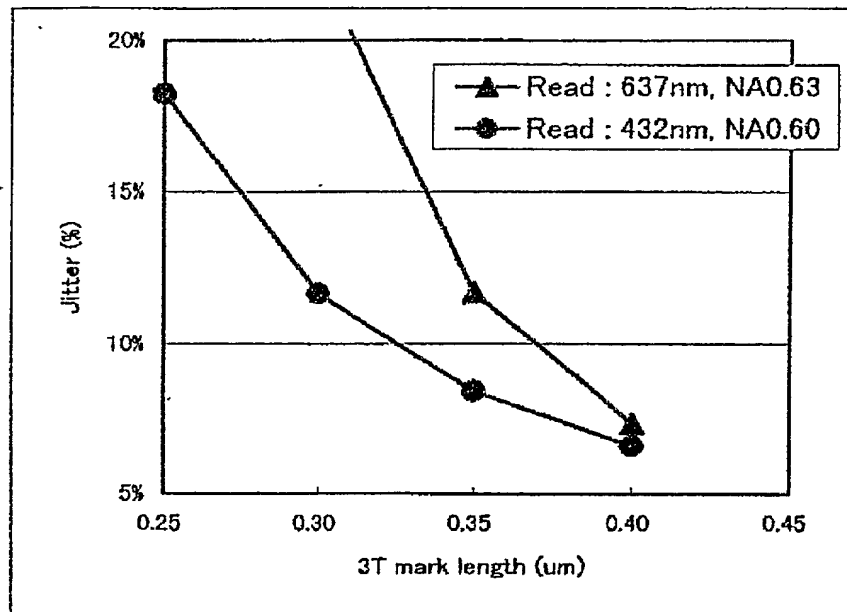
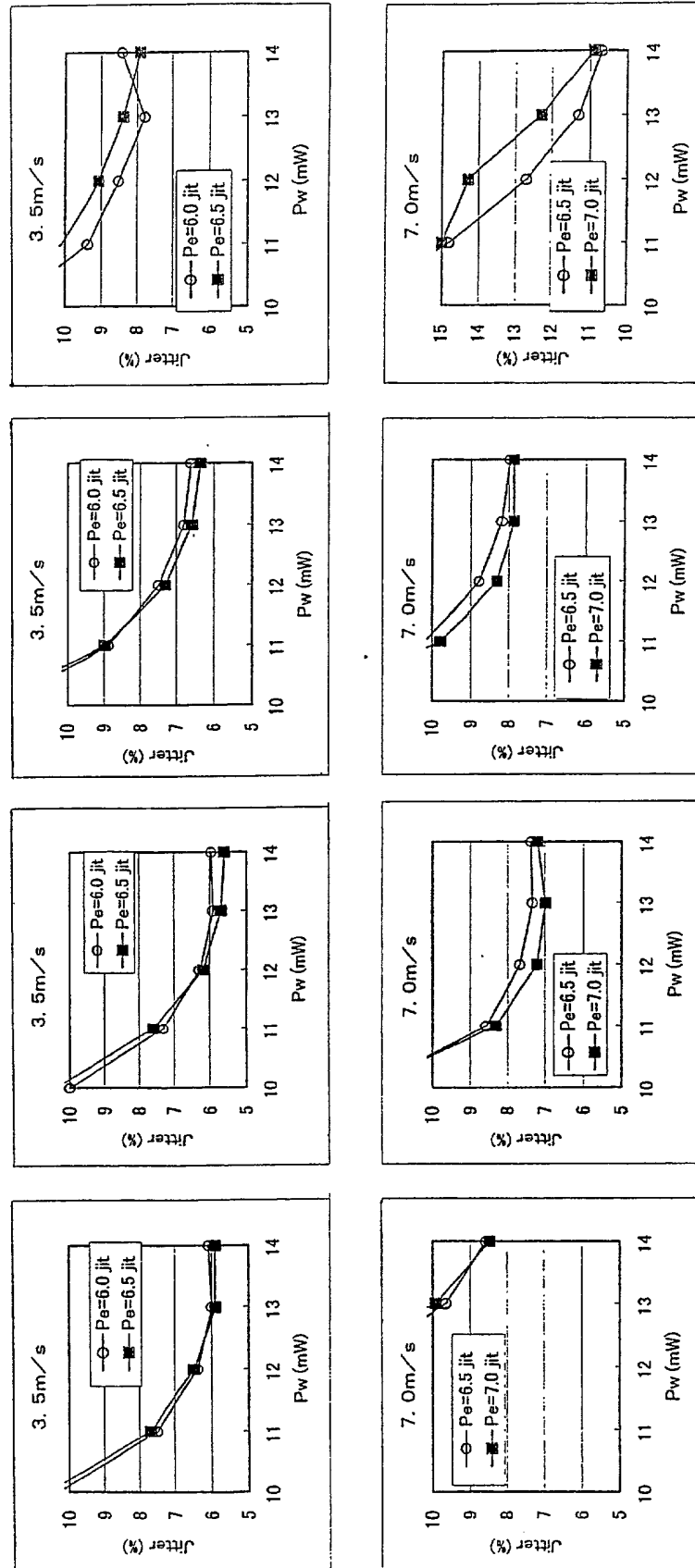


FIG. 29

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(a) Ge<sub>0.05</sub>Sb<sub>0.74</sub>Te<sub>0.21</sub>

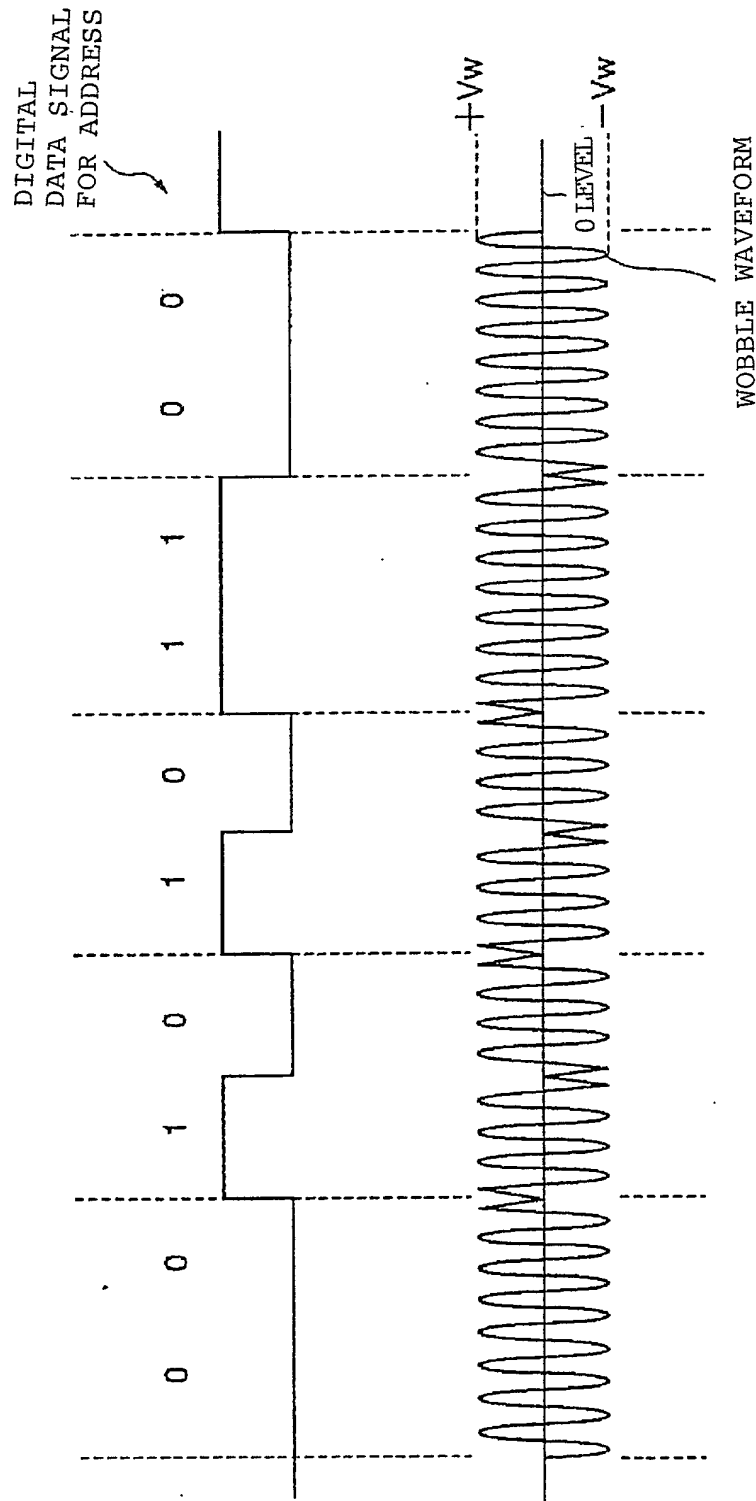
(b) In<sub>0.023</sub>Ge<sub>0.048</sub>Sb<sub>0.719</sub>Te<sub>0.21</sub>

(c) In<sub>0.053</sub>Ge<sub>0.044</sub>Sb<sub>0.688</sub>Te<sub>0.215</sub>

(d) In<sub>0.118</sub>Ge<sub>0.041</sub>Sb<sub>0.617</sub>Te<sub>0.224</sub>

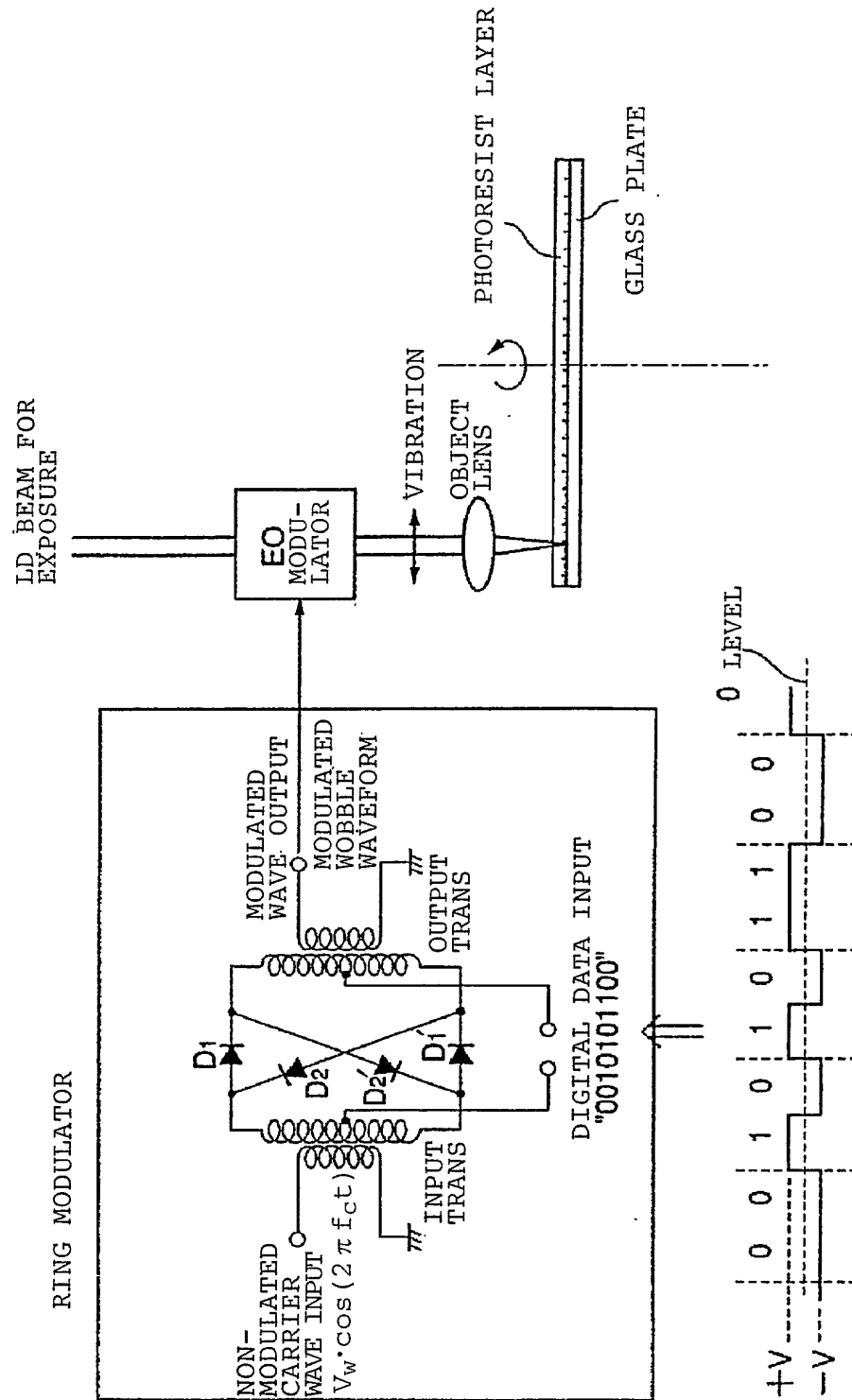
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FIG. 30



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FIG. 31



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FIG. 32

